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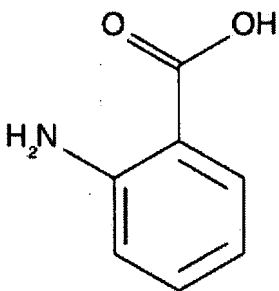
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These search terms have been highlighted: **anthranilic acid amino**

These terms only appear in links pointing to this page: **acid**

Anthranilic acid

From Wikipedia, the free encyclopedia

Anthranilic Acid	
	
General	
Systematic name	2-aminobenzoic acid
Other names	vitamin L1, Anthranilate
Molecular formula	C ₇ H ₇ NO ₂
Molar mass	137.136 g/mol
CAS number	[118-92-3]
Properties	
Solubility in water	0.6 g/L
Solubility in	Hot water
Density	1.4 g/cm ³
Melting point	146-148 °C
Boiling point	Sublimes
Hazards	
MSDS	External (html) (http://newsearchus.chemexper.com/cheminfo/servlet/org.dbcreator.MainServlet?action=PowerSearch&query=msds._msdsID%3D749&sort=&target=msds&from=0&realQuery=rn.value%3D%3D%22118-92-3%22&searchTemplate=rn.value%3D%3D%3F&searchValue=118-92-

	3&history=off&options=brandqtyoffer&format=ccd)
EU classification	
R-phrases	R36 R37
S-phrases	S26 S39
Flash point	>150 °C
LD ₅₀ oral, mouse	1400 mg/kg
LD ₅₀ oral, rat	5410 mg/kg.
<p>Except where noted otherwise, data are given for materials in their standard state (at 25 °C, 100 kPa)</p> <p>Infobox disclaimer and references</p>	

Anthranilic acid has the formula $C_7H_7NO_2$ ^[1] and is an odorless white to yellow crystalline **acid**, which is freely soluble in water. It sublimes at a temperature of 146-148°C.^[2]

Anthranilic acid is an aromatic amine which occurs physiologically as a metabolite of the **amino acid** tryptophan. It can also be made synthetically.^[3]

Anthranilic acid is used as an intermediate for production of dyes, pigments and saccharin. It and its esters are used in preparing perfumes, pharmaceuticals and UV-absorber as well as corrosion inhibitors for metals and mold inhibitors in soya sauce.^[4] **Anthranilic acid** is also known unofficially as "vitamin L", a vitamin required for lactation in human females.^[3]

Anthranilic acid can be used in organic synthesis to generate the benzyne intermediate.

See also

- Kynureninase

References

- ↑ MSDS (http://newsearchus.chemexper.com/cheminfo/servlet/org.dbcreator.MainServlet?action=PowerSearch&query=msds._msdsID%3D749&sort=&target=msds&from=0&realQuery=rn.value%3D%3D%22118-92-3%22&searchTemplate=rn.value%3D%3D%3F&searchValue=118-92-3&history=off&options=brandqtyoffer&format=ccd)
- ↑ IPCS (<http://www.inchem.org/documents/icsc/icsc/eics1295.htm>)
- ↑ ^{a b} Vitamin L (<http://www.greatvistachemicals.com/vitamins-vitamin/anthranilic-acid-vitamin-l.html>)
- ↑ Benzoic Acid Derivatives (<http://www.chemicaland21.com/specialtychem/finechem/o-AMINOBENZOIC%20ACID.htm>)

External links

- Links to external chemical sources

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